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L Number	Hits	Search Text	DB	Time stamp
1	1	full ("5442705").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:36
2	77	KWIL @ad<19990831 and ((carry adj up) with add\$5)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:43
3	1	KWIL ABS @ad<19990831 and ((carry adj up) with add\$5)) and (??cipher\$3 ??crypt\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:41
5	0	(@ad<19990831 and ((carry adj up) with add\$5)) and (key adj expan\$5)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:42
7	0	(@ad<19990831 and ((carry adj up) with add\$5)) and (DES FEAL)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:42
8	896	@ad<19990831 and ((shift\$3) with (prime))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:46
12	176	@ad<19990831 and ((relative\$3 adj prime))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:45
13	11	KWIL ABS @ad<19990831 and (shift\$3 with (relative\$3 adj prime))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:46
14	47	@ad<19990831 and ((shift\$3) with (prime)) and (??crypt\$3 ??cipher\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:58
19	0	@ad<19990831 and ((shift\$3) with (relatively adj prime)) and (??crypt\$3 ??cipher\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:57
20	47	@ad<19990831 and (((shift\$3) with (prime)) "relatively prime") and (??crypt\$3 ??cipher\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 07:58
53	93	ABS @ad<19990831 and ("XOR" "exclusive-or" "exclusive or") and (key adj2 (transform\$7 expan\$5 exten\$5)) and constant	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:22
54	0	(shift\$3 rotat\$3) and (relatively adj prime)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:22
55	25	ABS ((380/44).CCLS.) and ((380/29).CCLS.)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:22
57	123	@ad<19990831 and ("XOR" "exclusive-or" "exclusive or") and (key adj2 (transform\$7 expan\$5 exten\$5)) and (shift\$3 rotat\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:23
59	66	ABS ("des" same (key adj expansion))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/17 08:23
61	98	"carry-up"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:23

56	1	((5442705).PN.) and (shift\$3 rotat\$3)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:23
58	6	"relatively prime"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/17 08:23
60	8	"des" near (random adj3 generator)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/08/17 08:23
62	11	("carry-up" same (add addition subtract\$3)) and @ad<20000831	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:23
63	26	<p>WNL</p> <p>AB</p> <p>(previous Search results updated)</p> <p>(((5442705).PN.) (@ad<19990831 and ((carry adj up) with add\$5)) (@ad<19990831 and ((carry adj up) with add\$5)) and (??cipher\$3 ??crypt\$3)) (@ad<19990831 and ((carry adj up) with add\$5)) and (key adj expan\$5)) (@ad<19990831 and ((carry adj up) with add\$5)) and (DES FEAL)) (@ad<19990831 and ((shift\$3) with (prime))) (@ad<19990831 and ((relative\$3 adj prime))) (@ad<19990831 and (shift\$3 with (prime))) (@ad<19990831 and ((shift\$3) with (prime))) and (??crypt\$3 ??cipher\$3)) (@ad<19990831 and ((shift\$3) with (relatively adj prime))) and (??crypt\$3 ??cipher\$3)) (@ad<19990831 and ((shift\$3) with (prime))) "relatively prime" and (??crypt\$3 ??cipher\$3)) (@ad<19990831 and ("XOR" "exclusive-or" "exclusive or") and (key adj2 (transform\$7 expan\$5 exten\$5)) and constant) ((shift\$3 rotat\$3) and (relatively adj prime)) (((380/44).CCLS.) and ((380/29).CCLS.)) (((5442705).PN.) and (shift\$3 rotat\$3)) (@ad<19990831 and ("XOR" "exclusive-or" "exclusive or") and (key adj2 (transform\$7 expan\$5 exten\$5)) and (shift\$3 rotat\$3)) "relatively prime" ("des" same (key adj expansion)) "carry-up" ("des" near (random adj3 generator)) ("carry-up" same (add addition subtract\$3)) and @ad<20000831) and @pd>20040301</p>	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:27

64	4	<pre>((("5442705").PN.) (@ad<19990831 and ((carry adj up) with add\$5)) (@ad<19990831 and ((carry adj up) with add\$5)) and (??cipher\$3 ??crypt\$3)) (@ad<19990831 and ((carry adj up) with add\$5)) and (key adj expan\$5)) (@ad<19990831 and ((carry adj up) with add\$5)) and (DES FEAL)) (@ad<19990831 and ((shift\$3) with (prime))) (@ad<19990831 and ((relative\$3 adj prime))) (@ad<19990831 and (shift\$3 with (relative\$3 adj prime))) (@ad<19990831 and ((shift\$3 with (prime)) "relatively prime") and (??crypt\$3 ??cipher\$3)) (@ad<19990831 and ("XOR" "exclusive-or" "exclusive or") and (key adj2 (transform\$7 expan\$5 exten\$5)) and constant) ((shift\$3 rotat\$3) and (relatively adj prime)) (((380/44).CCLS.) and ((380/29).CCLS.)) (((("5442705").PN.) and (shift\$3 rotat\$3)) (@ad<19990831 and ("XOR" "exclusive-or" "exclusive or") and (key adj2 (transform\$7 expan\$5 exten\$5)) and (shift\$3 rotat\$3)) "relatively prime" ("des" same (key adj expansion)) "carry-up" ("des" near (random adj3 generator)) ("carry-up" same (add addition subtract\$3)) and @ad<20000831)) and @pd>20040301 and @ad<19990831 ("20040049678").PN.</pre>	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:29
65	1		USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/17 08:29

09652157
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Google

blowfish "key expansion" XOR (shift OR shifting) DES
blowfish "key expansion" XOR (shift OR shifting) DES "relatively prime"
"key expansion" (shift OR shifting) "relatively prime"
"key expansion" "relatively prime"

ACM

"key expansion"
"key expansion" +XOR +shift shifting
"key expansion" +transform +substitution

IEEE

"key expansion"
xor <and> shift <and> (key <and> (expand <or> expansion))
relatively prime <and> ('des' feal encryption ciphertext)

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Results 1 - 26 of about 39 for relatively-prime shift OR shifting "key expansion" . (0.15 seconds)

1 Cryptography

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... The **shift** offsets C1, C2 and C3 depend on the ... obtained by key schedule which involves **key expansion** and key ... a small odd integer E that is **relatively prime** to O ...

www.ece.purdue.edu/~sbagchi/Research/ReadingGroup/issa_sensorcryptography_041703.pdf - [Similar pages](#)

Cryptography for Smalltalkers [Cryptography for Smalltalkers](#)

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... I built from simple, fast operations (xor, **shift**, $x + y$... patented, royalty-free) 2
parts: **key expansion** & data ... primes p, q public: $e = \text{relatively prime}$ to $(p-1 \dots)$

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CSCE 790: Computer Network Security

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... hence 8 and 15 are **relatively prime**. 9/4/2003. 21. ... byte substitution works on bytes using a table of 256 entries. **shift** rows is simple byte **shifting**. ...

www.cse.sc.edu/~huangct/CSCE790F03/lecture5.ppt - [Supplemental Result](#) - [Similar pages](#)

RIJNDAEL advanced encryption standard

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... C2 bytes and Row 3 over C3 bytes The **shift** offsets C1 ... which exists since $c(x)$ was chosen **relatively prime** to x ... the key K, we expand it via **Key Expansion** and get ...

www.math.uiuc.edu/~domazet/rijndael.pdf - [Similar pages](#)

RSA Security -

... **key expansion** A process that creates a larger key from the ... LFSR linear feedback **shift** register. ... **relatively prime** Two integers are **relatively prime** if they have ...

www.rsasecurity.com/rsalabs/node.asp?id=2373 - 58k - [Cached](#) - [Similar pages](#)

nCipher Security Resources: Glossary

... **key expansion** A process that creates a larger key ... See also linear feedback **shift** register ... **relatively prime** reverse engineer To ascertain the functional basis of ...

www.ncipher.com/resources/downloads/sr_glossary.php - 86k - [Cached](#) - [Similar pages](#)

Scalable Block Ciphers Based on Feistel-like Structure

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... **prime** to m. 0. ... The **key expansion** algorithm is based on the lagged Fibonacci generator with L ... 3) - MYWORD.BITS)) #define SHIFT 17 #define COMPL.SHIFT (MYWORD.BITS ...

[www.exp-math.uni-essen.de/~trung/SBC.ps](http://exp-math.uni-essen.de/~trung/SBC.ps) - [Similar pages](#)

Quantum Cryptography: a new hope

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... cypher where a message is encoded by **shifting** (modulo 26 ... is more difficult to break than the **shift** cypher, but ... If m and n are **relatively prime**, it's easy to see ...

www.iro.umontreal.ca/~paquin/Qu/quantumCrypto.ps - [Similar pages](#)

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[PDF] Chapter 2 Introduction to Cryptography

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... $f(a) = ak \bmod n$ (k and n are **relatively prime**) When $n = 26$ and $k = 9$... 每一個round
的shift bit數為(1, 0), (2, 1), (3, 2), (4, 2), (5, 2), (6, 2) ... **Key Expansion** ...

140.114.78.121/~mikemouse/course/Chapter3.ppt - [Similar pages](#)

United States Patent Application: 0040049468

(cited on FAST)

... $0 = x \cdot \text{sup.} 2 \bmod n$ random integer **relatively prime** to n ... recent counterpart FCSRs (Feedback
with Carry **Shift Registers** ... from XORing the key, or from **shifting** the data ...
[appft1.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=H1OFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-... - 101k](http://appft1.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=H1OFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-...) - Cached - [Similar pages](#)

United States Patent Application: 0040049678

... and x is a random integer **relatively prime** to n ... recent counterpart FCSRs (Feedback
with Carry **Shift Registers**) [44 ... from XORing the key, or from **shifting** the data ...
appft1.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=H1OFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-... - 101k - Cached - [Similar pages](#)

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... **key exchange** A process used by two more parties to exchange keys in cryptosystems.

key expansion A process that creates a larger key from the original key. ...

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... k , such that \bullet k has not been used before \bullet k is **relatively prime** to p ... 23 CSC331

Legend \oplus - bit-wise EXCLUSIVE OR <<< - cyclic left **shift** \neg - bit-wise ...

www.cs.ncl.ac.uk/modules/1999-2000/csc331/notes/Digital%20Signatures.pdf - Supplemental Result -
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... such that \bullet k has not been used before \bullet k is **relatively prime** to p ... Slide 23 CSC331

Legend \oplus - bit-wise EXCLUSIVE OR <<< - cyclic left **shift** \neg - bit-wise ...

www.cs.ncl.ac.uk/modules/2000-01/csc331/notes/Digital%20Signatures.pdf - Supplemental Result -
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My Portal Inc. ::

... **key expansion** – расширение ключа; создание ... linear feedback

shift register ... **relatively prime** – относительно простое ...

www.myportal.ru/crypt_doc4.html - 55k - Cached - [Similar pages](#)

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... 89 89. What is a Linear Feedback **Shift Register**?

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Cryptography, v4.0 2 Copyright © 1996, 1998 RSA Data Security, Inc. ...
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Page 1. Capella University TS8999 ~ Special Topics in Technology Guidelines for the Use Of Cryptography in the Enterprise Wolf M. Halton ...

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[doc] CryptoGuide.Doc

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... sent through the first rotor, which would **shift** the letter ... This principle of the **shifting** rotors allowed for $26 \times 26 \times 26$... e , less than n and **relatively prime** to M ...

www.networkdefense.biz/CryptoGuide.doc - [Similar pages](#)

[PDF] Hardware implementation aspects of the Rijndael block cipher.

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... Column symmetry in the row **shifting** operation is proven, closed ... 47 4.8 The Rijndael

Key Expansion. ... of N b and N k 41 4.2 **Shift** offsets for ...

rennes.ucc.ie/~cillian/files/pubs/Rijndael-Implementation-Thesis.pdf - Supplemental Result - [Similar pages](#)

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... 92 89. What is a Linear Feedback **Shift** Register? ... 93

90. What are **Shift** Register Cascades? ...

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[PDF] Εισαγωγή

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... Choose a number, e , less than n and **relatively prime** to $(p-1)(q-1)$, which means that ... There are three routines in RC5: **key expansion**, encryption, and decryption ...

www.conta.uom.gr/conta/ekpaideysh/metaptyxiaka/technologies_diktywn/ergasies/Cryptography.pdf -

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Technique for reducing ...

... Figure 4 illustrates the process of **key expansion** in the RSA ... result is multiplied by 4 by **shifting** twice to ... a public key PK which is **relatively prime** to the ...

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... In the upper arm the beam acquires an l -dependent phase **shift** l' from the two Dove prisms, while a phase shifter imparts a fixed phase irrespective of mode ...

info.phys.unm.edu/~renes/publications/diss2side.ps.gz - [Similar pages](#)

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... letting the first bit "fall off" (but remember it!) and **shifting** a zero ... **shift-rows(s)**.

0. ... Figure 2.3: The AES128 **key-expansion** algorithm maps a 128-bit key K into ...

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1 Towards practical "proven secure" authenticated key distribution
Yvo Desmedt, Mike Burmester
December 1993 **Proceedings of the 1st ACM conference on Computer and communications security**
Full text available:  pdf(382.53 KB) Additional Information: full citation, abstract, references, citations, index terms
Secure key distribution is a critical component in secure communications. Finding 'proven secure' practical key distribution systems is one of the major goals in cryptography. The Diffie-Hellman variants, a family of key distribution systems, achieve some of the objectives of this goal. In particular, the 'non-paradoxical' system (by Matsumoto-Takashima-Imai and Yacobi) is claimed to be secure against a known-key attack. In this paper we show that the argument used to prove this is ...

2 A technique for integrated reports from a multi-run system
N. Budea, J. G. Kamena, R. M. Kamena
June 1965 **Communications of the ACM**, Volume 8 Issue 6
Full text available:  pdf(401.56 KB) Additional Information: full citation, index terms

3 A proof of the security of quantum key distribution (extended abstract)
Eli Biham, Michel Boyer, P. Oscar Boykin, Tal Moran, Vwani Roychowdhury
May 1999 **Proceedings of the thirty-second annual ACM symposium on Theory of computing**
Full text available:  pdf(968.70 KB) Additional Information: full citation, references, citations, index terms

4 Intelligent word-prediction to enhance text input rate (a syntactic analysis-based word-prediction aid for people with severe motor and speech disability)
Nestor Garay-Vitoria, Julio González-Abascal
January 1997 **Proceedings of the 2nd international conference on Intelligent user interfaces**
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Keywords: adaptation, chart technique, input speed enhancement, motor disabilities, syntax analysis, word-prediction

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